

**LISTING OF CLAIMS:**

1. (Amended) A method for moving teeth, comprising:  
moving a at least one first tooth; and  
moving a at least one second tooth while isolating the first tooth at a rest position,  
isolating the first tooth by relieving the first tooth of any applied force.
2. (Original) The method of claim 1, wherein the second tooth is moved for a first duration  
and immobilized for a second duration.
3. (Original) The method of claim 1, wherein the duration is on an hourly basis, a daily basis,  
or a weekly basis.
4. (Previously presented) The method of claim 1, comprising generating a plurality of  
appliances based on the moving of the first tooth and the second tooth, wherein the  
appliances comprise polymeric shells having cavities and wherein the cavities of  
successive shells have different geometries shaped to receive and resiliently reposition the  
first and second teeth from one arrangement to a successive arrangement.
5. (Original) The method of claim 4, wherein a first cavity isolates the first tooth at the rest  
position.
6. (Original) The method of claim 4, wherein a second cavity urges the second tooth to one of  
the successive position.
7. (Canceled)

8. (Original) The method of claim 4, further comprising replacing an appliance on an intra-day basis.
9. (Original) The method of claim 4, further comprising replacing an appliance on a daily basis.
10. (Original) The method of claim 4, further comprising replacing an appliance on a multi-day basis.
11. (Original) The method of claim 4, further comprising replacing an appliance on an intra-week basis.
12. (Original) The method of claim 4, further comprising replacing an appliance on a weekly basis.
13. (Canceled)
14. (Amended) The method of claim 24 1, wherein the at least one first tooth is a group of contiguous teeth.
15. (Canceled)
16. (Previously presented) A system, comprising:  
means for moving at least one first tooth; and  
means for isolating the first tooth at a rest position by relieving the force applied to it,  
while moving at least one second tooth.

17. (Original) The system of claim 16, wherein the second tooth is moved for a first duration and immobilized for a second duration.
18. (Original) The system of claim 16, wherein the duration is on an hourly basis, a daily basis, or a weekly basis.
19. (Previously presented) The system of claim 16, comprising a fabrication machine to generate a plurality of appliances, wherein the appliances comprise polymeric shells having cavities and wherein the cavities of successive shells have different geometries shaped to receive and resiliently reposition the teeth from one arrangement to a successive arrangement.
20. (Original) The system of claim 19, wherein a first cavity isolates the first tooth at the rest position and wherein a second cavity urges the second tooth to a successive arrangement.
21. (Amended) A system for generating one or more appliances for a patient, the teeth including at least one first tooth and at least one second tooth, the system comprising:
  - a processor;
  - a display device coupled to the processor;
  - a data storage device coupled to the processor;
  - a scanner coupled to the processor for providing data to model the patient's masticatory system;
  - means for the modeling an isolating of the first tooth at a rest position while moving the second tooth, the isolating of the first tooth by ~~creating space around it~~ relieving the tooth of any applied force; and
  - a dental appliance fabrication machine coupled to the processor for generating the appliances in accordance with the modeling of isolating the first tooth and moving the second tooth.

22. (Canceled)
23. (Amended) The method of claim ~~22~~ 21, wherein relieving the force applied to the first tooth is accomplished by creating space around the tooth, such that no undesirable contact is made with the tooth.
24. (Canceled)
25. (Amended) The method of claim ~~24~~ 1, wherein the at least one first tooth is a group of noncontiguous teeth.
26. (Amended) The method of claim ~~24~~ 1, wherein the at least one second tooth is a group of contiguous teeth.
27. (Amended) The method of claim ~~24~~ 1, wherein at least one second tooth is a group of noncontiguous teeth.
28. (Previously presented) The system of claim 16, wherein relieving the force applied to the first tooth is accomplished by creating space around the tooth, such that no undesirable contact is made with the tooth.